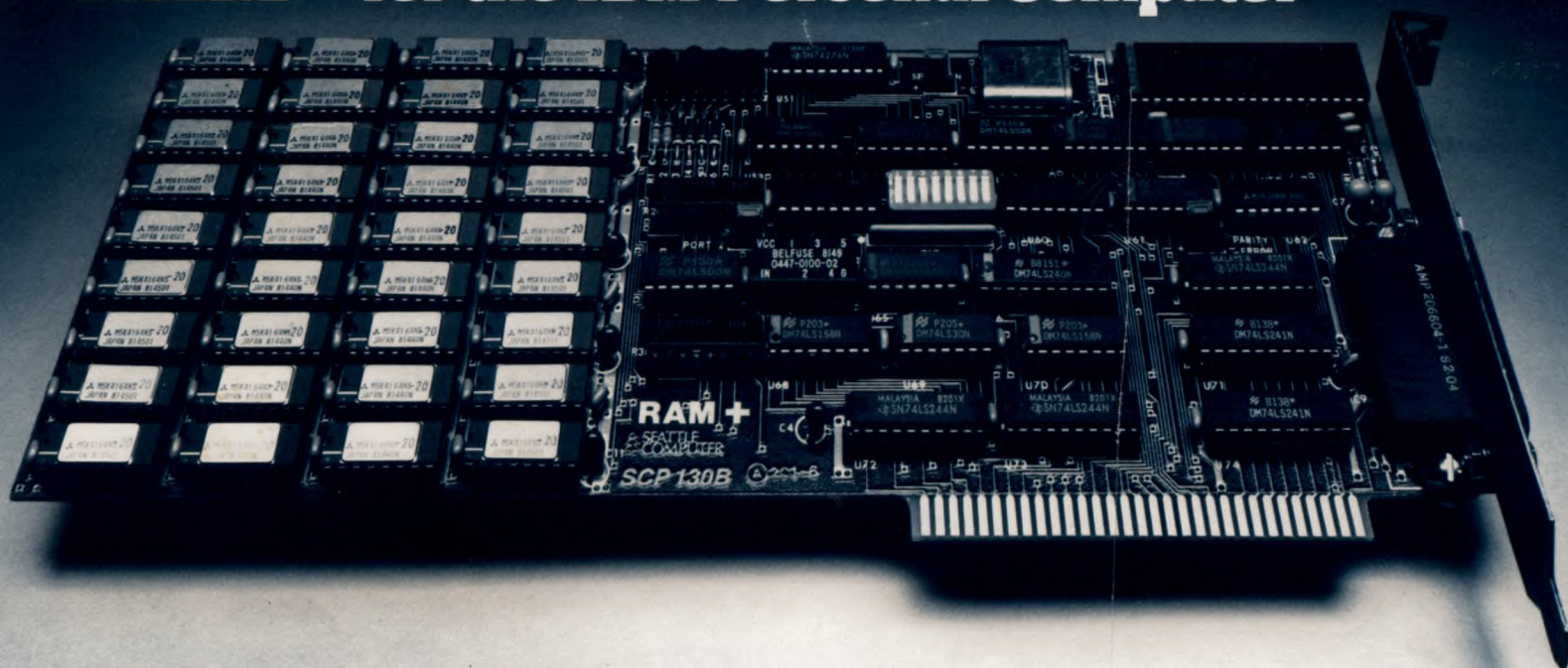


# RAM+ for the IBM Personal Computer



## Features

- Fully Compatible with IBM Personal Computer—both hardware and software.
- Every card provided with RS-232 Serial Port as either COM1 or COM2.
- Available in 64K, 128K, 192K or 256K capacities.
- "Chip Kits" available to increase board capacity in 64K increments.
- Parity error indicator—LEDs on card light to show location of any parity errors.
- Industrial quality—all ICs socketed (including sockets for all 36 memory chips—even on 64K boards.) Gold plated connector. Pin jumpers or switches for all hardware options.
- Widespread dealer support. This product is actively marketed and distributed on the local level through neighborhood computer stores.

## Specifications

**IBM PC Standard**—fully meets all aspects of compatibility with the IBM Personal Computer.

**RS-232 Port**—Pin jumper enable/disable. May be addressed with pin jumpers as IBM COM1 or COM2. Uses IBM supplied software. Baud rates from 50 to 19200. Has DB-25P connector for mating with standard RS-232 cables. Serial port is RS-232 only—does not support current loop.

Every RAM+ now comes with free Flash Disk™ software.

**Memory Capacity**—64K, 128K, 192K, 256K depending upon option. All boards with all 36 memory chip sockets. Partially populated boards may be incremented in 64K steps by plugging in memory chips from "expansion kits."

**Memory Organization**—9-bits (including parity) by either 64K, 128K, 196K, or 256K, depending upon capacity ordered.

**Parity**—Memory array has parity check to enhance reliability. A parity error will illuminate an LED which defines the 64K block in which error occurred and will, if selected by pin jumper, send the interrupt to the CPU.

**Addressing Scheme**—May be addressed on any 32K boundary with 8088 1-megabyte addressing range. Addressing by DIP switches on card and/or IBM motherboard.

**Memory Chip Type**—64K, 5V, 200 nsec. dynamic RAM chip.

**Power Requirements**—5 volts at 0.75 amps, +12 volts at less than 100 ma. -12 volts at less than 100 ma. All currents are averages measured at room temperature. (All power provided by IBM PC)

**Noise Margins**—all signal inputs to board have 0.4 volt hysteresis at 25 degrees C typically.

**Operating Environment**—5 to 65 degrees C. (Exceeds IBM PC)

**Reliability**—as this is a new product, no field reliability data is available. Previous SCP memory products have first year field failure rates of between one and two percent.

## Warranty and Repair

The SCP RAM + board is warranted to be free from defects of parts and labor for one year from the date it is purchased from Seattle Computer or an authorized SCP dealer.

Should the product fail to be in good working order during this one year period, SCP will, at its option, repair or replace this product with a new or reconditioned unit. This is a summary only of the warranty. A complete copy of the warranty is packaged with the product and is also available from SCP upon request.

Factory repair service is available for those products beyond warranty with a typical turnaround time of two to three days. Costs of typical repair service should be in the \$20-\$30 range, exclusive of shipping.



**SEATTLE  
COMPUTER**

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